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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 03/09/2010

Neil A DuChez Renner Otto Boisselle & Sklar 1621 Euclid Avenue, 19th Floor Cleveland, OH 44115 EXAMINER BERCH, MARK L

PAPER NUMBER

ART UNIT

44115 DATE MAILED: 03/09/2010

 APPELCATION NO.
 FILINO DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRIMATION NO.

 10/542,810
 03/01/2006
 Massaki Uenaka
 SHIOPO100US
 8.881

TITLE OF INVENTION: CRYSTAL OF INTERMEDIATE FOR CARBAPENEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/09/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used f correspondence includired below or directed oth tions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a	TE FEE and PUBLIC ders and notification a) specifying a new of					ould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
7590 0309/2010 Neil A DuChez Renner Otto Boisselle & Sklar 1621 Euclid Avenue, 19th Floor					Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmital is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 272-2885, on the date indicated before the Computer of the Com				
Cleveland, OH 4	4115								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/542,810	03/01/2006			Masaaki Uenaka	ı	SHIOP0100US		SHIOP0100US	8381
TITLE OF INVENTION	CRYSTAL OF INTER	MEDL	ATE FOR CARBA	PENEM					
APPLN. TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSU	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1510	\$300		\$0		\$1810	06/09/2010
EXAM	INER		ART UNIT	CLASS-SUBCLASS	s	1			
BERCH, ?	MARK L		1624	540-350000		,			
Change of corresponde CFR 1.363).	ence address or indicatio	n of "F	ee Address" (37	2. For printing on	the p	atent front page, lis	it .		
				(I) the names of to or agents OR, alte	up to	3 registered paten	t attori	ieys I	
	ondence address (or Cha 3/122) attached.			(2) the name of a single firm (having as a member a 2					
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			ation form e of a Customer	registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is 3					
3. ASSIGNEE NAME A									
PLEASE NOTE: Unli recordation as set forth	ess an assignee is ident h in 37 CFR 3.11. Comp	ified be	elow, no assignee of this form is NO	data will appear on t I a substitute for filin	the p	atent. If an assign assignment.	ee is io	lentified below, the do	cument has been filed for
(A) NAME OF ASSIC				(B) RESIDENCE: (0					
Please check the appropri	iate assignee category or	catego	ories (will not be pr	inted on the patent):	٥	Individual 🗖 Co	orporati	on or other private gro	up entity Government
4a. The following fee(s)	are submitted:		48			se first reapply ar	ıy prev	iously paid issue fee s	hown above)
☐ Issue Fee ☐ A check is enclose						. F. DWG 2020			
				The Director is h	dit card. Form PTO-2038 is attached. hereby authorized to charge the required fee(s), any deficiency, or credit any				
				overpayment, to	Depó	sit Account Numbe	er	(enclose ar	extra copy of this form).
 Change in Entity State a. Applicant claims 	tus (from status indicate s SMALL ENTITY statu			☐ b. Applicant is no	o lon	ger claiming SMAI	LEN	FITY status. See 37 CF	R 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if req records of the United Sta	uired) v tes Pat	will not be accepted ent and Trademark	from anyone other t Office.	han t	he applicant; a regi	stered.	attorney or agent; or th	e assignee or other party in
Authorized Signature						Date			
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		FR 1.3	11. The informatic	on is required to obtain	n or r	-		lic which is to file (and	by the USPTO to process)
an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 dapplication form to the ons for reducing this bu- irginia 22313-1450. DC 13-1450.	U.S.C. USPT rden, sl NOT	. 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR	1.14. This collection depending upon the e Chief Information C OMPLETED FORM	is est indiv Office IS TO	imated to take 12 i idual case. Any co er, U.S. Patent and D THIS ADDRESS	minutes mment Trader	to complete, including s on the amount of tin nark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/542,810	03/01/2006	Masaaki Uenaka	SHIOP0100US	8381
75	90 03/09/2010	EXAMINER		
Neil A DuChez		BERCH, MARK L		
Renner Otto Boisse		ART UNIT	PAPER NUMBER	
1621 Euclid Avent Cleveland OH 441		1624		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 431 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 431 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/542.810 UENAKA, MASAAKI Notice of Allowability Examiner Art Unit Mark I Rerch 1624 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to Paper of 02/23/2010. The allowed claim(s) is/are 1, 4-6, 15-19. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material Other . /Mark L. Berch/

Primary Examiner Art Unit: 1624